

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 08/870,762B  
Source: JFL016  
Date Processed by STIC: 10/05/2005

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IFW16

**RAW SEQUENCE LISTING**

PATENT APPLICATION: US/08/870,762B

DATE: 10/05/2005

TIME: 08:34:10

Input Set : E:\226-104US SEQ LIST.txt  
 Output Set: N:\CRF4\10052005\H870762B.raw

3 <110> APPLICANT: DUFT, BRADFORD J.  
 4 KOLTERMAN, ORVILLE G.  
 6 <120> TITLE OF INVENTION: METHODS FOR TREATING OBESITY  
 8 <130> FILE REFERENCE: 18528.231  
 10 <140> CURRENT APPLICATION NUMBER: US 08/870,762B  
 11 <141> CURRENT FILING DATE: 1997-06-06  
 13 <160> NUMBER OF SEQ ID NOS: 25  
 15 <170> SOFTWARE: PatentIn version 3.3  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 37  
 19 <212> TYPE: PRT  
 20 <213> ORGANISM: Artificial Sequence  
 22 <220> FEATURE:  
 23 <223> OTHER INFORMATION: Synthetic peptide construct  
 25 <400> SEQUENCE: 1  
 27 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
 28 1 5 10 15  
 31 Val His Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Thr Asn Val  
 32 20 25 30  
 35 Gly Ser Asn Thr Tyr  
 36 35  
 39 <210> SEQ ID NO: 2  
 40 <211> LENGTH: 37  
 41 <212> TYPE: PRT  
 42 <213> ORGANISM: Artificial Sequence  
 44 <220> FEATURE:  
 45 <223> OTHER INFORMATION: Synthetic peptide construct  
 47 <400> SEQUENCE: 2  
 49 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
 50 1 5 10 15  
 53 Val Arg Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Thr Asn Val  
 54 20 25 30  
 57 Gly Ser Asn Thr Tyr  
 58 35  
 61 <210> SEQ ID NO: 3  
 62 <211> LENGTH: 37  
 63 <212> TYPE: PRT  
 64 <213> ORGANISM: Artificial Sequence  
 66 <220> FEATURE:  
 67 <223> OTHER INFORMATION: Synthetic peptide construct  
 69 <400> SEQUENCE: 3  
 71 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
 72 1 5 10 15

(Pg-6)

## RAW SEQUENCE LISTING

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75 Val Arg Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Ser Thr Asn Val  
76 20 25 30  
79 Gly Ser Asn Thr Tyr  
80 35  
83 <210> SEQ ID NO: 4  
84 <211> LENGTH: 37  
85 <212> TYPE: PRT  
86 <213> ORGANISM: Artificial Sequence  
88 <220> FEATURE:  
89 <223> OTHER INFORMATION: Synthetic peptide construct  
91 <400> SEQUENCE: 4  
93 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
94 1 5 10 15  
97 Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Pro Ser Thr Asn Val  
98 20 25 30  
101 Gly Ser Asn Thr Tyr  
102 35  
105 <210> SEQ ID NO: 5  
106 <211> LENGTH: 37  
107 <212> TYPE: PRT  
108 <213> ORGANISM: Artificial Sequence  
110 <220> FEATURE:  
111 <223> OTHER INFORMATION: Synthetic peptide construct  
113 <400> SEQUENCE: 5  
115 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
116 1 5 10 15  
119 Val His Ser Ser Asn Asn Phe Gly Pro Val Leu Pro Pro Thr Asn Val  
120 20 25 30  
123 Gly Ser Asn Thr Tyr  
124 35  
127 <210> SEQ ID NO: 6  
128 <211> LENGTH: 37  
129 <212> TYPE: PRT  
130 <213> ORGANISM: Artificial Sequence  
132 <220> FEATURE:  
133 <223> OTHER INFORMATION: Synthetic peptide construct  
136 <220> FEATURE:  
137 <221> NAME/KEY: misc\_feature  
138 <223> OTHER INFORMATION: 2,7-Cyclo bridge  
140 <400> SEQUENCE: 6  
142 Lys Asp Asn Thr Ala Thr Lys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
143 1 5 10 15  
146 Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val  
147 20 25 30  
150 Gly Ser Asn Thr Tyr  
151 35  
154 <210> SEQ ID NO: 7  
155 <211> LENGTH: 36  
156 <212> TYPE: PRT

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157 <213> ORGANISM: Artificial Sequence  
159 <220> FEATURE:  
160 <223> OTHER INFORMATION: Synthetic peptide construct  
162 <400> SEQUENCE: 7  
164 Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val  
165 1 5 10 15  
168 His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val Gly  
169 20 25 30  
172 Ser Asn Thr Tyr  
173 35  
176 <210> SEQ ID NO: 8  
177 <211> LENGTH: 37  
178 <212> TYPE: PRT  
179 <213> ORGANISM: Artificial Sequence  
181 <220> FEATURE:  
182 <223> OTHER INFORMATION: Synthetic peptide construct  
184 <400> SEQUENCE: 8  
186 Ala Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
187 1 5 10 15  
190 Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val  
191 20 25 30  
194 Gly Ser Asn Thr Tyr  
195 35  
198 <210> SEQ ID NO: 9  
199 <211> LENGTH: 37  
200 <212> TYPE: PRT  
201 <213> ORGANISM: Artificial Sequence  
203 <220> FEATURE:  
204 <223> OTHER INFORMATION: Synthetic peptide construct  
206 <400> SEQUENCE: 9  
208 Ser Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
209 1 5 10 15  
212 Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val  
213 20 25 30  
216 Gly Ser Asn Thr Tyr  
217 35  
220 <210> SEQ ID NO: 10  
221 <211> LENGTH: 37  
222 <212> TYPE: PRT  
223 <213> ORGANISM: Artificial Sequence  
225 <220> FEATURE:  
226 <223> OTHER INFORMATION: Synthetic peptide construct  
228 <400> SEQUENCE: 10  
230 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
231 1 5 10 15  
234 Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Pro Thr Asn Val  
235 20 25 30  
238 Gly Ser Asn Thr Tyr  
239 35

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Input Set : E:\226-104US SEQ LIST.txt  
Output Set: N:\CRF4\10052005\H870762B.raw

242 <210> SEQ ID NO: 11  
243 <211> LENGTH: 37  
244 <212> TYPE: PRT  
245 <213> ORGANISM: Artificial Sequence  
247 <220> FEATURE:  
248 <223> OTHER INFORMATION: Synthetic peptide construct  
250 <400> SEQUENCE: 11  
252 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
253 1 5 10 15  
256 Val His Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Ser Thr Asn Val  
257 20 25 30  
260 Gly Ser Asn Thr Tyr  
261 35  
264 <210> SEQ ID NO: 12  
265 <211> LENGTH: 36  
266 <212> TYPE: PRT  
267 <213> ORGANISM: Artificial Sequence  
269 <220> FEATURE:  
270 <223> OTHER INFORMATION: Synthetic peptide construct  
272 <400> SEQUENCE: 12  
274 Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val  
275 1 5 10 15  
278 His Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Ser Thr Asn Val Gly  
279 20 25 30  
282 Ser Asn Thr Tyr  
283 35  
286 <210> SEQ ID NO: 13  
287 <211> LENGTH: 36  
288 <212> TYPE: PRT  
289 <213> ORGANISM: Artificial Sequence  
291 <220> FEATURE:  
292 <223> OTHER INFORMATION: Synthetic peptide construct  
294 <400> SEQUENCE: 13  
296 Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val  
297 1 5 10 15  
300 Arg Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Ser Thr Asn Val Gly  
301 20 25 30  
304 Ser Asn Thr Tyr  
305 35  
308 <210> SEQ ID NO: 14  
309 <211> LENGTH: 36  
310 <212> TYPE: PRT  
311 <213> ORGANISM: Artificial Sequence  
313 <220> FEATURE:  
314 <223> OTHER INFORMATION: Synthetic peptide construct  
316 <400> SEQUENCE: 14  
318 Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val  
319 1 5 10 15  
322 Arg Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Thr Asn Val Gly

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Input Set : E:\226-104US SEQ LIST.txt  
Output Set: N:\CRF4\10052005\H870762B.raw

323           20           25           30  
326 Ser Asn Thr Tyr  
327           35  
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331 <211> LENGTH: 36  
332 <212> TYPE: PRT  
333 <213> ORGANISM: Artificial Sequence  
335 <220> FEATURE:  
336 <223> OTHER INFORMATION: Synthetic peptide construct  
338 <400> SEQUENCE: 15  
340 Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val  
341 1           5           10           15  
344 His Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Thr Asn Val Gly  
345           20           25           30  
348 Ser Asn Thr Tyr  
349           35  
352 <210> SEQ ID NO: 16  
353 <211> LENGTH: 30  
354 <212> TYPE: PRT  
355 <213> ORGANISM: Artificial Sequence  
357 <220> FEATURE:  
358 <223> OTHER INFORMATION: Synthetic peptide construct  
360 <400> SEQUENCE: 16  
362 Val Thr His Arg Leu Ala Gly Leu Leu Ser Arg Ser Gly Gly Val Val  
363 1           5           10           15  
366 Lys Asn Asn Phe Val Pro Thr Asn Val Gly Ser Lys Ala Phe  
367           20           25           30  
370 <210> SEQ ID NO: 17  
371 <211> LENGTH: 37  
372 <212> TYPE: PRT  
373 <213> ORGANISM: Artificial Sequence  
375 <220> FEATURE:  
376 <223> OTHER INFORMATION: Synthetic peptide construct  
379 <220> FEATURE:  
380 <221> NAME/KEY: MISC\_FEATURE  
381 <223> OTHER INFORMATION: c-term may be amino, alkylamino, dialkylamino,  
cycloalkylamino,  
382       arylamino, aralkylamino, alkyloxy, aryloxy, or aralkyloxy  
384 <220> FEATURE:  
385 <221> NAME/KEY: MISC\_FEATURE  
386 <222> LOCATION: (1)..(1)  
387 <223> OTHER INFORMATION: Lys, Ala, Ser, or not present  
389 <220> FEATURE:  
390 <221> NAME/KEY: MISC\_FEATURE  
391 <222> LOCATION: (2)..(2)  
392 <223> OTHER INFORMATION: Variable amino acid  
394 <220> FEATURE:  
395 <221> NAME/KEY: MISC\_FEATURE  
396 <222> LOCATION: (7)..(7)  
397 <223> OTHER INFORMATION: Variable amino acid

RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 10/05/2005  
PATENT APPLICATION: US/08/870,762B                    TIME: 08:34:11

Input Set : E:\226-104US SEQ LIST.txt  
Output Set: N:\CRF4\10052005\H870762B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:17; Xaa Pos. 1,2,7,13,17,18,19,20,21,23,26,29,31  
Seq#:18; Xaa Pos. 1,2,7,13,17,18,19,20,21,23,26,28,31  
Seq#:19; Xaa Pos. 1,2,7,13,17,18,19,20,21,23,25,26,31  
Seq#:20; Xaa Pos. 1,2,7,13,17,18,19,20,21,23,26,31  
Seq#:23; Xaa Pos. 1,2,7,13,17,18,19,20,21,23,25,26,28,29,31

**VERIFICATION SUMMARY**

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Input Set : E:\226-104US SEQ LIST.txt  
Output Set: N:\CRF4\10052005\H870762B.raw

L:451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
M:341 Repeated in SeqNo=17  
L:544 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
M:341 Repeated in SeqNo=18  
L:637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
M:341 Repeated in SeqNo=19  
L:725 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0  
M:341 Repeated in SeqNo=20  
L:872 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0  
M:341 Repeated in SeqNo=23